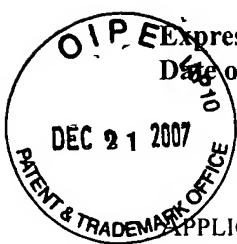


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Express Mail Label No.: EV871029494US  
Date of Deposit: December 21, 2007

Attorney Docket No.: 23239-544

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANTS: Keefe *et al.*  
SERIAL NUMBER: 10/729,581 EXAMINER: Mark Staples  
FILING DATE: December 3, 2003 ART UNIT: 1637  
FOR: METHOD FOR *IN VITRO* SELECTION OF 2'-SUBSTITUTED NUCLEIC ACIDS

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

December 21, 2007  
Boston, Massachusetts

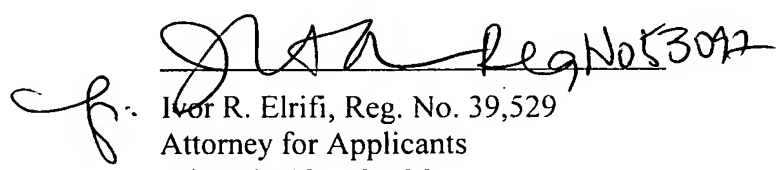
**TRANSMITTAL LETTER**

Enclosed herewith for filing in the above-identified application please find the following documents:

1. Supplemental Response and Amendment (20 pgs.); and
2. Return Postcard.

The Commissioner is hereby authorized to charge payment of any additional fees required in connection with the papers transmitted herewith, or credit any overpayment of same, to Deposit Account No. 50-0311, (Reference No. 23239-544). A duplicate copy of this Transmittal is enclosed.

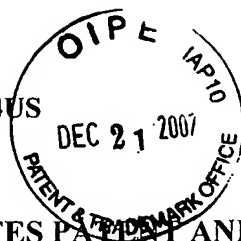
Respectfully submitted,

 Reg No 53012

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Customer No. 69262

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December 21, 2007  
Boston, Massachusetts

**SUPPLEMENTAL RESPONSE AND AMENDMENT**

This paper is in further response to the final Office Action mailed December 12, 2006 in the above-identified application and supplements the Response and Amendment previously filed on October 31, 2007 in the instant application. No fees are believed to be due in connection with this supplemental filing. However, the Commissioner is hereby authorized to charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 23239-544.

Please amend the above-identified application as follows:

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks/Arguments** begin on page 14 of this paper.